



Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Texas

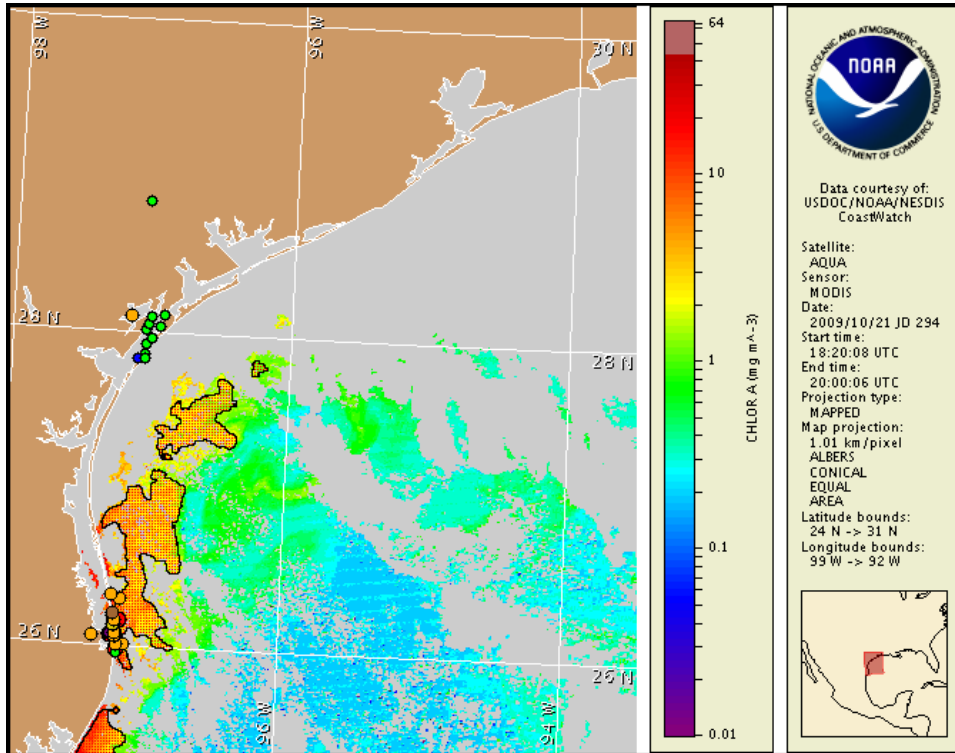
22 October 2009

NOAA Ocean Service

NOAA Satellites and Information Service

NOAA National Weather Service

Last bulletin: October 19, 2009



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from October 12 to 21 shown as red (high), orange (medium), yellow (low b), brown (low a), blue (very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide:

http://tidesandcurrents.noaa.gov/hab/habfs_bulletin_guide.pdf

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1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.

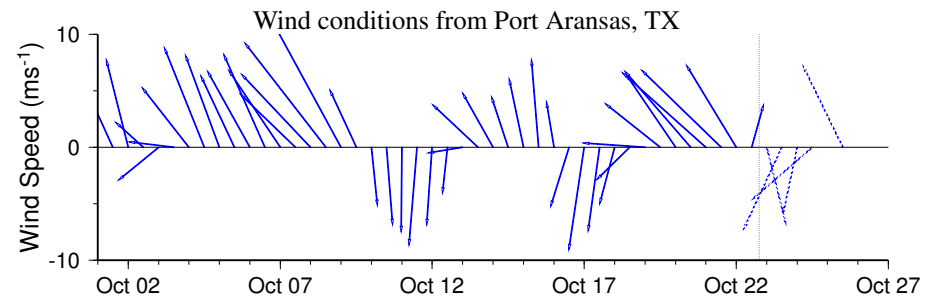
Conditions Report

A harmful algal bloom has been identified from Mustang Island to South Padre Island. Low impacts are expected through Friday along this stretch of coast, followed by moderate impacts Saturday and Sunday.

Analysis

Although imagery is obscured by clouds along the Texas coast, state sampling and over-flight data indicate that the *K. brevis* bloom extends from Mustang Island to South Padre Island. Imagery also indicates that it may extend way offshore. Strong offshore winds may reduce impacts at the coast through Friday. Medium onshore winds are expected again Saturday through Sunday and could reintroduce the impacts at the coast. Transport is expected to be southward, and therefore should prevent expansion of the bloom further northward.

-Tomlinson, Lopez

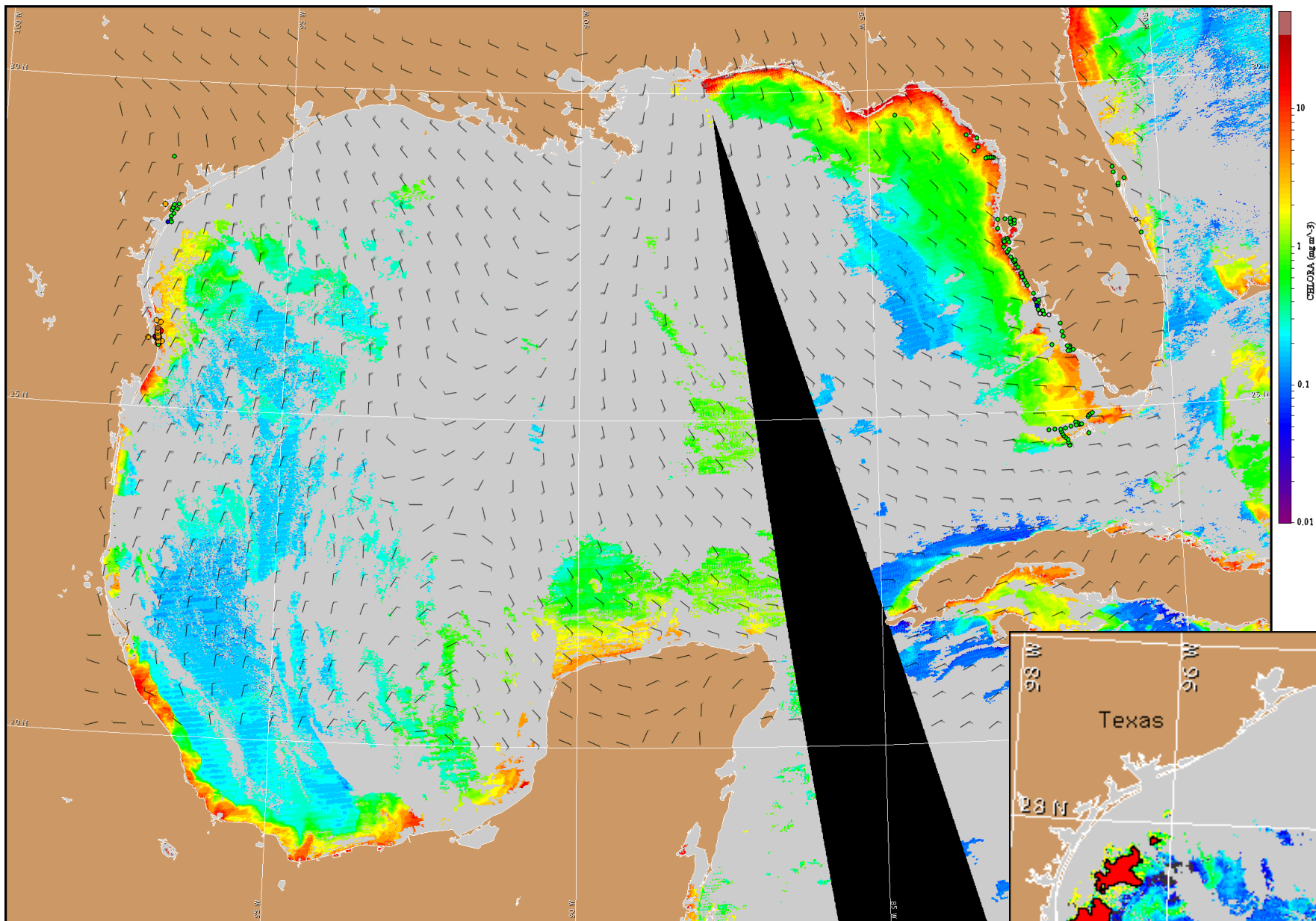


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts. Wind observation and forecast data provided by NOAA's National Weather Service (NWS).

Wind Analysis

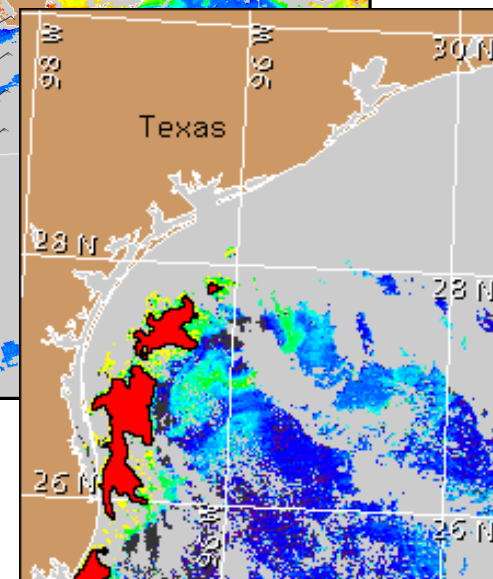
Strong north to northwesterly winds (20-25 knots) and high seas are expected through Friday morning. Winds and seas are expected to diminish over the weekend, with easterly winds on Saturday followed by southeasterly winds Saturday night through Sunday. Wind speeds around 10 knots are expected over the weekend.

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit the NOAA CoastWatch bulletin archive: http://coastwatch.noaa.gov/hab/bulletins_ns.htm



Satellite chlorophyll image and forecast winds for October 23, 2009 12Z with Cell concentration sampling data from October 12 to 21 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide:

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Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).